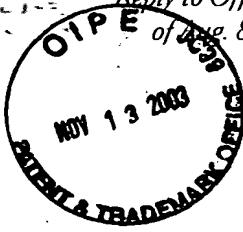


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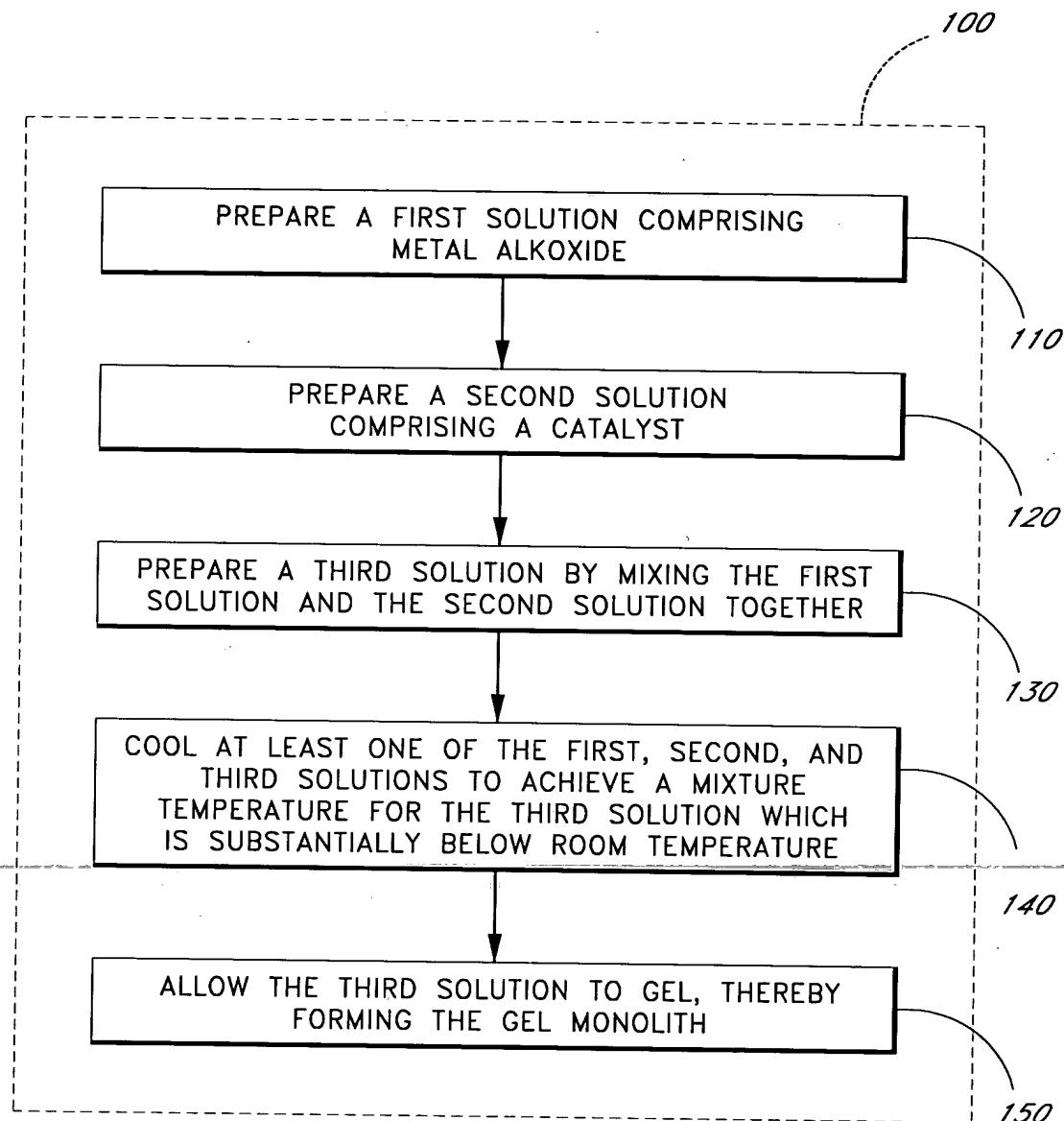


FIG. 1

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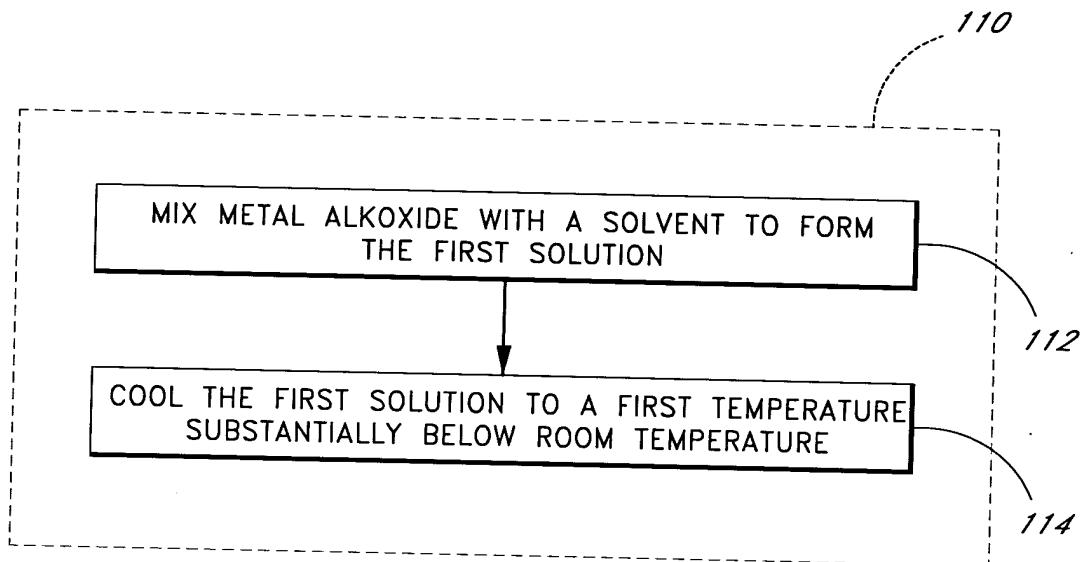


FIG. 2

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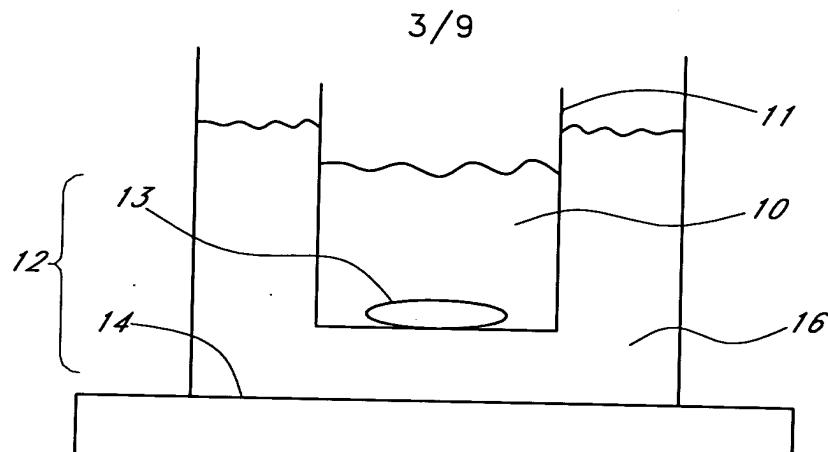


FIG. 3B

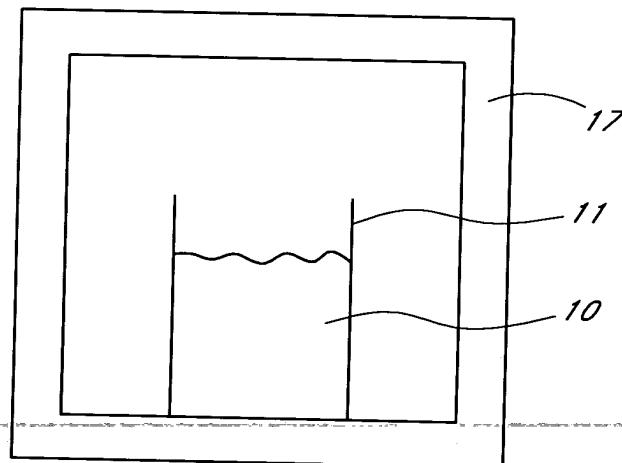
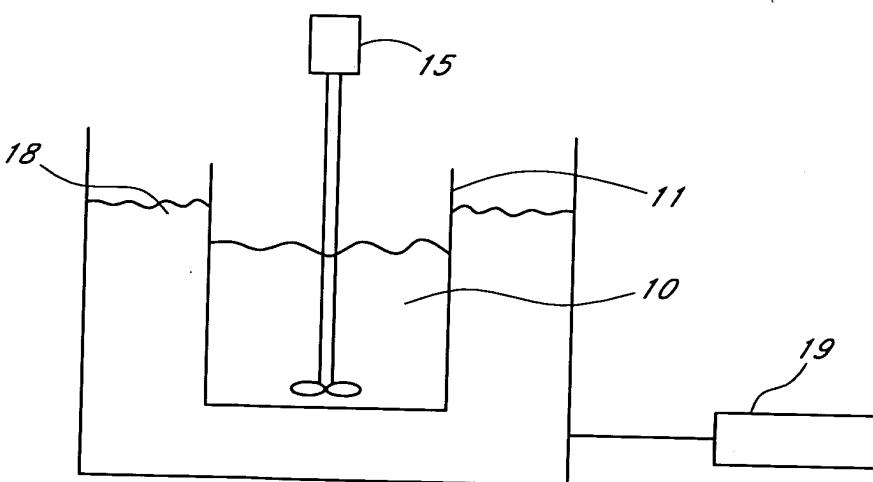


FIG. 3C



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FIG. 3D

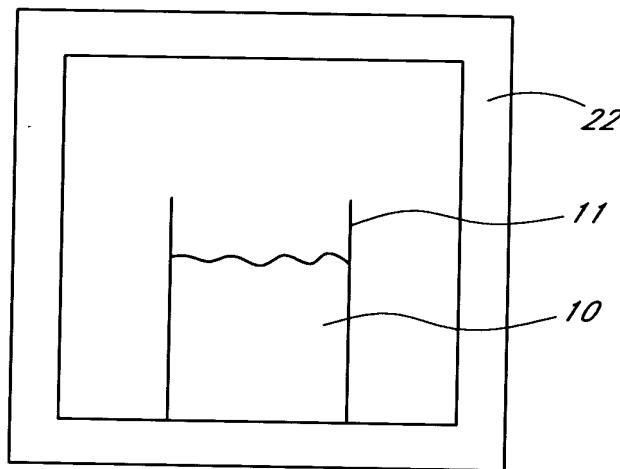


FIG. 3E

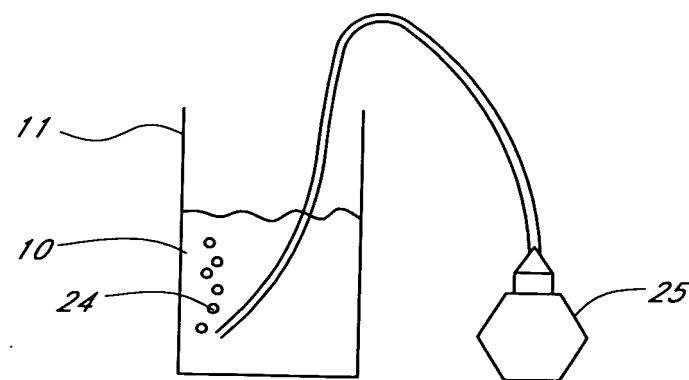
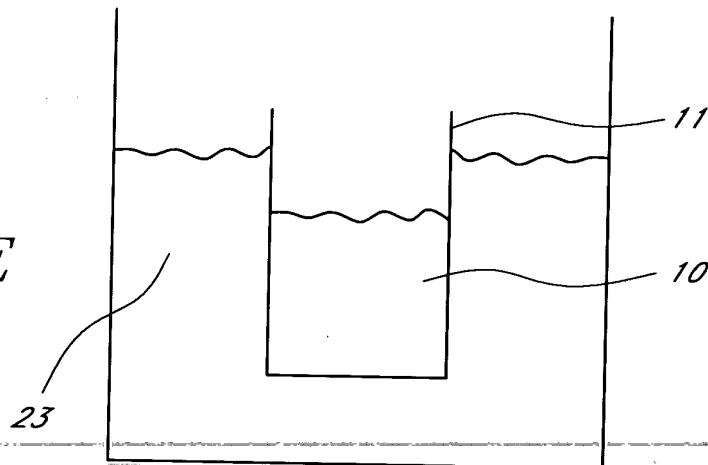


FIG. 3F

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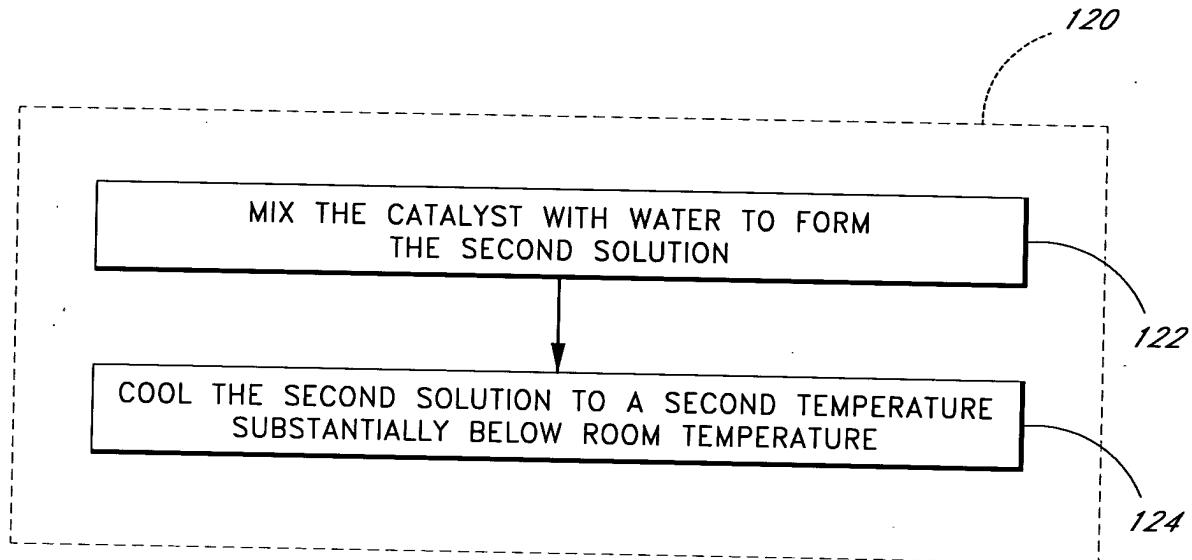
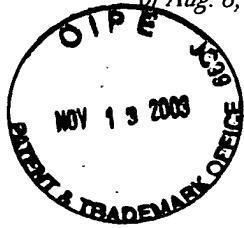


FIG. 4

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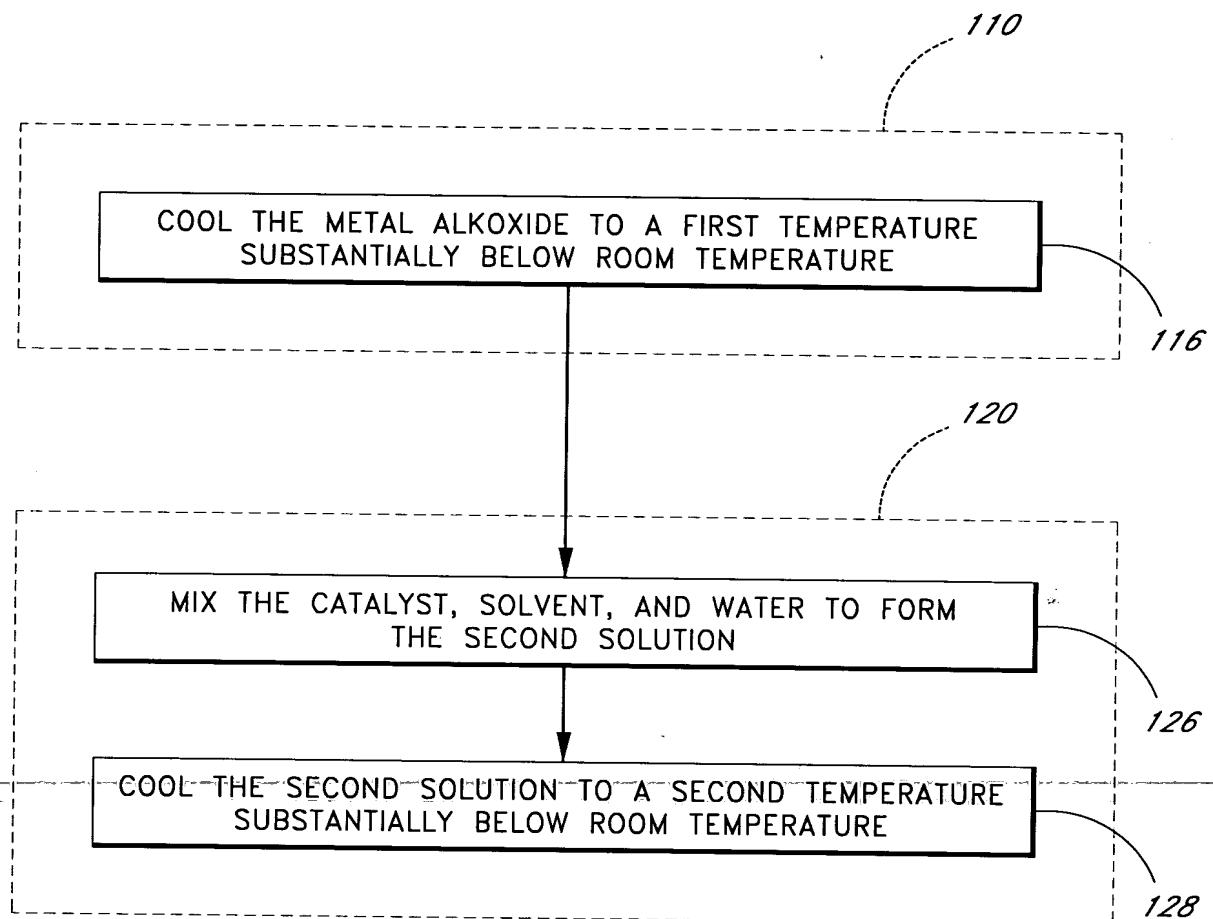
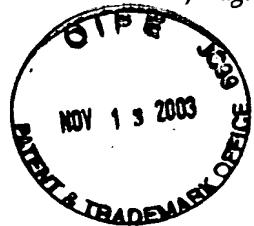


FIG. 5

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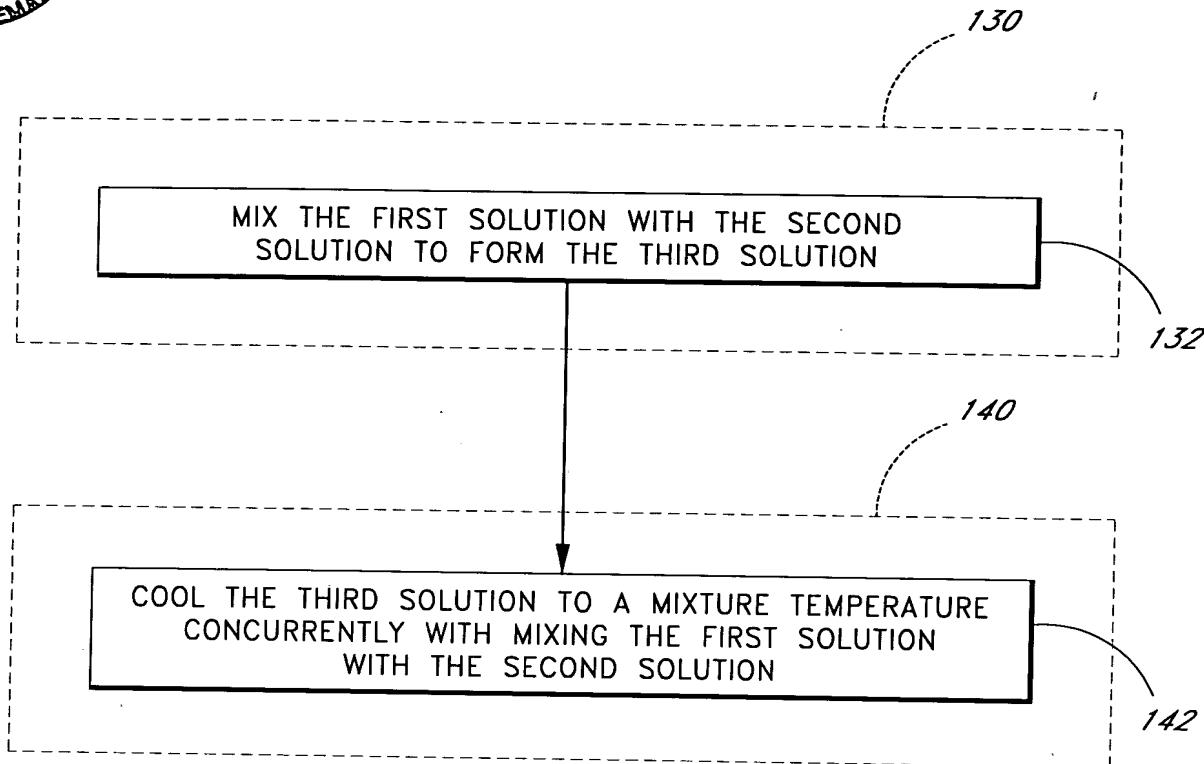


FIG. 6

SOL-GEL PROCESS UTILIZING REDUCED MIXING TEMPERATURES

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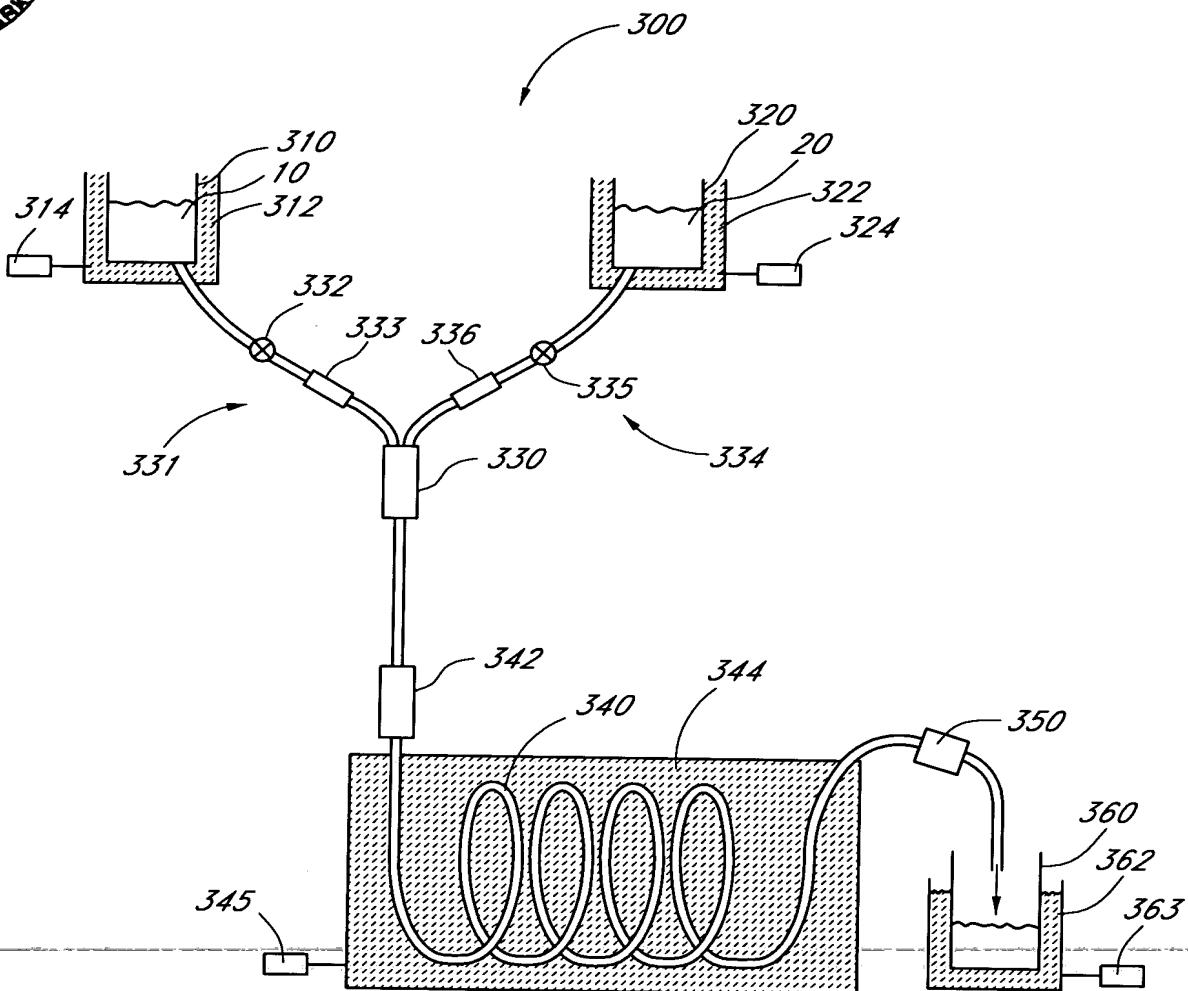


FIG. 7

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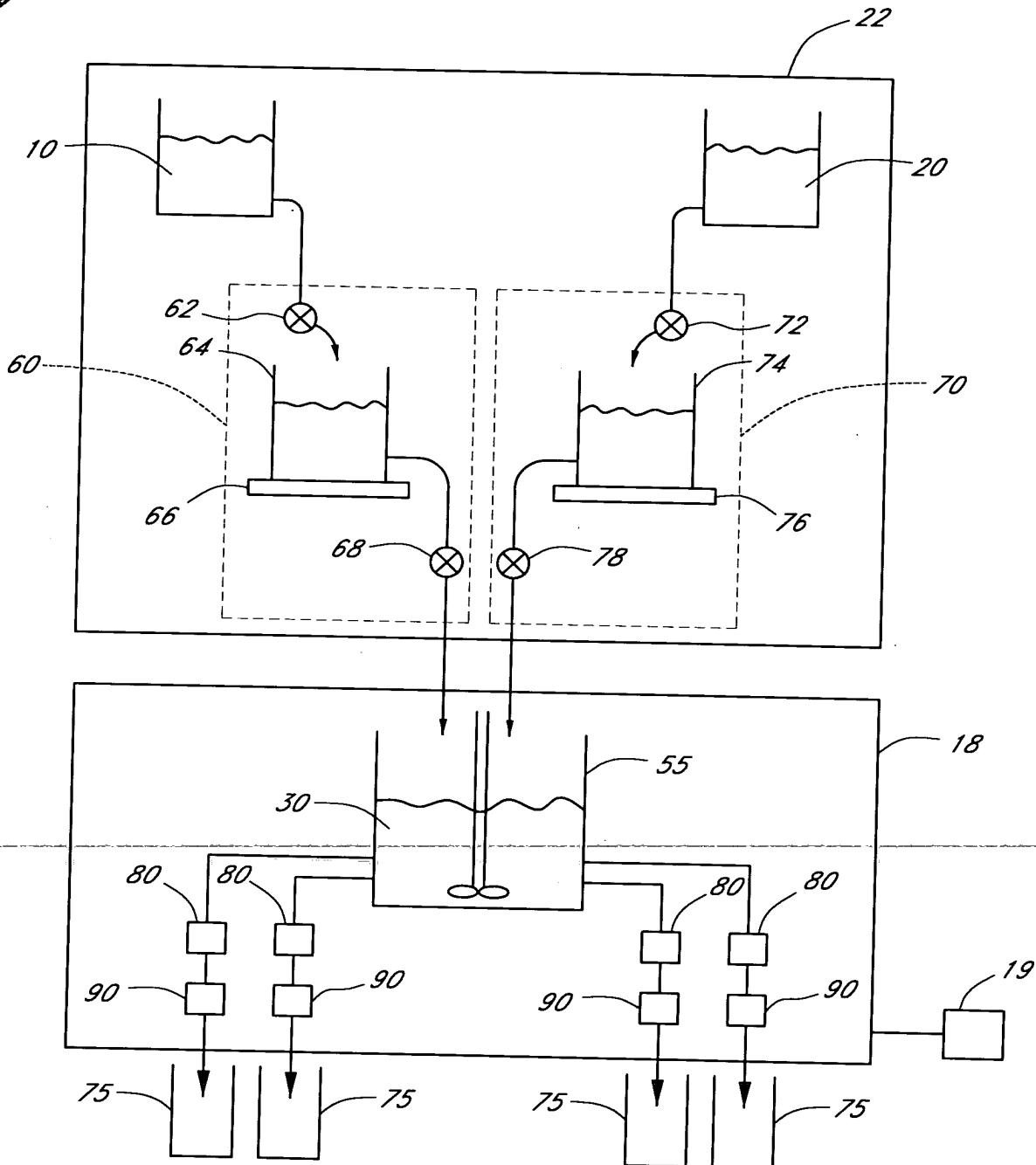


FIG. 8